TC-W311

SERVICE MANUAL

US Model Canadian Model E Model Australian Model

TC-W311 is the cassette deck of the SEN-311 system.

- TC-W311 is a model designed based on the TC-W301. The mechanical parts of the TC-W311 differ from those of the TC-W301.
- For additional information not contained in this manual, refer to the TC-W301 Service Manual.

SPECIFICATIONS

Recording system 4-track 2-channel stereo Frequency response (DOLBY NR OFF)

With TYPE IV cassette (Sony METAL-ES)

30 – 15,000 Hz (±3 dB) 30 – 13,000 Hz (0 VU recording) With TYPE II cassette (Sony UCX-S) 30 – 13,000 Hz (±3 dB)

With TYPE I cassette (Sony HF-S)

30 – 13,000 Hz (±3 dB) Wow and flutter 0.12% WRMS (NAB)

Dimensions Approx. 430 x 120 x 280 mm (w/h/d)

(17 x 43/4 x 11 inches)

Weight Approx. 3.5 kg (6 lb. 14 oz.) net

Design and specifications subject to change without notice.

STEREO CASSETTE DECK

EXPLODED VIEWS

NOTE:

- XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE)...(RED)

↑ ↑

Parts color Cabinet's color

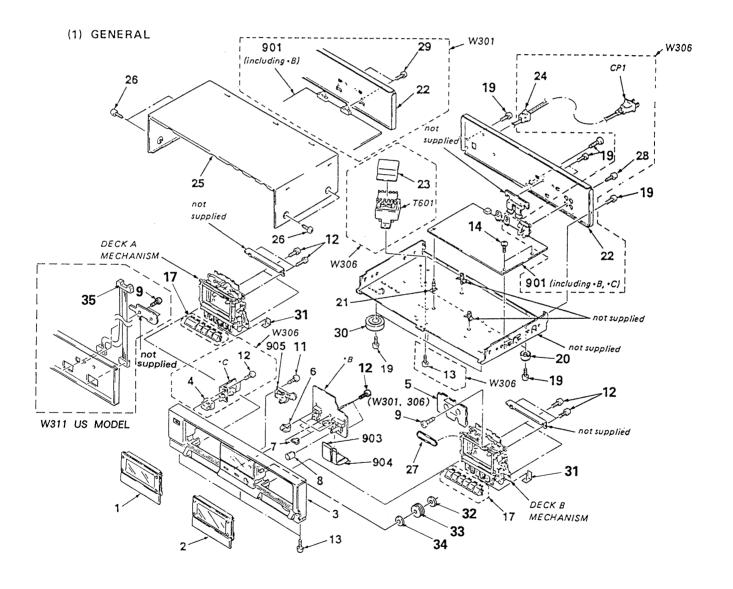
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifé.

Refer to page 12 of the TC-W301 Service Manual.



GENERAL PARTS LIST (Parts comparison table of TC-W301 and TC-W311)

Page	Ref.	Part No.		Description
rage	NO.	TC-W301	TC-W311	nezertheron
	1	X-3340-190-1	← Identical	LID (A) ASSY, CASSETTE
	2	X-3340-189-1	← Identical	LID (B) ASSY, CASSETTE
	3	X-3340-191-1	X-3362-786-1	PANEL ASSY, FRONT
	5	X-3358-214-1	← Identical	PLATE ASSY, ORNAMENTAL
	6	3-346-379-01	← Identical	KNOB (SLIDE)
	7	3-346-381-01	← Identical	BUTTON
	8	3-349-039-01	← Identical	KNOB (VOL)
	9	7-685-133-19	← Identical	SCREW, +BTP 2.6X6 TYPE2 N-S
	11	4-928-635-01	← Identical	SCREW, +BV (2.6X8) TAPPING
	12	4-928-635-21	← Identical	SCREW, +BV (2.6X10) TAPPING
	14	4-886-821-11	Not used	SCREW, S TIGHT, +PTTWH 3X6
	17	4-943-424-01	← Identical	BUTTON (BLOCK B)
	18	4-943-423-01	← Identical	BUTTON (BLOCK A)
	19	7-682-548-09	← Identical	SCREW, +BVTT 3X8 (S)
	20	X-3340-138-1	← Identical	FOOT ASSY (US, Canadian)
12		X-3340-173-1	← Identical	FOOT ASSY (E, AUS)
12	21	3-346-265-11	← Identical	HOLDER, PC BOARD
	22	*3-349-023-21	*3-349-023-51	PANEL, BACK (US)
		Not used	*3-349-023-61	PANEL, BACK (CND)
		Not used	*3-349-023-71	PANEL, BACK (E, AUS)
	25	*4-943-088-31	← Identical	CASE
	26	3-704-366-01	← Identical	SCREW (CASE) (M3X8)
	27	3-499-042-XX	← Identical	BELT, COUNTER
	29	7-685-646-79	Not used	SCREW, +BVTP 3X8 TYPE 2
	30	X-4904-496-1	X-4941-228-1	FOOT ASSY
	31	Not used	3-359-928-01	FELT (CONDUCTIVE FELT)
	32	3-558-708-11	← Identical	WASHER, STOPPER
	33	3-549-452-00	← Identical	PULLEY, SHUT-OFF
	34	3-701-437-11	← Identical	WASHER
	35	Not used	1-590-537-11	CORD WITH CONNECTOR (US)
	901	*A-2006-071-A	*A-2006-468-A	MOUNTED PCB, AUIDIO (US, E, AUS)
		*A-2006-138-A	*A-2006-528-A	MOUNTED PCB, AUIDIO (Canadian)
	903	1-574-724-11	1-590-487-11	WIRE, FLAT TYPE (17 CORE)
	904	1-574-723-11	1-590-538-11	WIRE, FLAT TYPE (7 CORE)
	905	1-548-596-61	← Identical	COUNTER, TAPE (MIDDLE TYPE)

· AUS: Australian

ELECTRICAL PARTS LIST

Parts comparison table of TC-W301 and TC-W311

Page		T C - 1	V301			T C - '	W311			
16	C341 C501	1-126-301-11 1-126-233-11	ELECT 1MF 20% 50° ELECT 4.7MF 20% 50°		C341 C501	1-126-233-11 1-126-233-11				
	CN601	*1-566-856-11	SOCKET, CONNETOR (SYSTEM CONTROL 1)	5P	CN601	*1-566-856-41 (S	SOCKET, YSTEM CO			
	CN604 CN605 CN608 CN609	1-568-440-11 1-568-438-11	SOCKET, CONNECTOR 1'SOCEKT, CONNECTOR 1'	7P 7P 7P 7P	CN604 CN605 CN608 CN609	1-568-826-11 1-568-836-11 1-568-860-11 1-568-850-11	SOCKET,	CONNE CONNE	CTOR CTOR	17P
17	D401 D402 D501 D504 D505	8-719-107-94 8-719-107-94 8-719-107-94 8-719-107-94 8-719-107-94	DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1		D401 D402 D501 D504 D505	8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	DIODE DIODE DIODE DIODE	1 N 4 1 4 1 N 4 1 4 1 N 4 1 4	8M 8M 8M	
	D506 D507 D510 D512 D516	8-719-107-94 8-719-107-94 8-719-107-94 8-719-107-94	DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1		D506 D507 D510 D512 D516	8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	DIODE DIODE DIODE	1N414 1N414	8M 8M 8M 8M	
19	D518 S302	1-571-627-21	SWITCH, SLIDE (DECK A TAPE SELEC	T)	D518 S302	8-719-987-63 1-570-974-11		SLID	E	CT)

TC-W301/W306

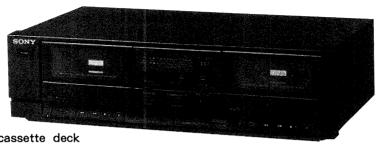
SERVICE MANUAL

US Model

TC-W301 TC-W306

Canadian Model E Model Australian Model

TC-W301



TC-W306 is the cassette deck section in SEN-501.

TC-W301 is the cassette deck section in SEN-301.

Photo: TC-W306

SPECIFICATIONS

Recording system

4-track 2-channel stereo

Fast-forward and rewind time

Approx. 120 sec. (with C-60 cassette)

Bias AC bias

Signal-to-noise ratio (NAB, at peak level)

Dolby NR switch Cassette	OFF	ON
TYPE IV (Sony METAL-ES)	58 dB	65 dB
TYPE II (Sony UX-S)	56 dB	63 dB
TYPE I (Sony HF-S)	54 dB	61 dB

Total harmonic distortion

1.0% (with Sony METAL-ES cassette)

Frequency response (DOLBY NR OFF)

TYPE IV cassette (Sony METAL-ES)	30-15,000 Hz (±3 dB) 30-13,000 Hz (0VU recording)
TYPE II cassette (Sony UX-S)	30-14,000 Hz (±3 dB)
TYPE I cassette (Sony HF-S)	30 – 13,000 Hz (±3 dB)

Wow and flutter 0.12% WRMS (NAB)

Input (TC - W306)

Connector	Туре	Sensitivity	Impedance
LINE IN	phono	77.5 mV (-20 dB)	50 k ohms

Model Name Using Similar M	TC-W295/W390	
	DECK A	W301 : TCM-180VAH1
Tape Transport Mechanism		W306 : TCM-180VAH5
Туре	DECK B	W301 : TCM-180VBH1
	DECK B	W306: TCM-180VBH5

Output (TC - W306)

Connector	Туре	Rated output level	Load impedance
LINE OUT	phono	0.44 V(-5 dB) at load impedance 47 k ohms	over 10 k ohms

General (TC - W306)

Power requirements

120 V AC, 60 Hz

Power consumption

15 W

Dimensions Approx. $430 \times 118 \times 250$ mm (w/h/d)

 $(17 \times 4^{3}/_{4} \times 9^{7}/_{9} \text{ inches})$

including projecting parts and controls

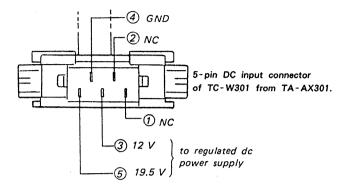
Weight Approx. 3.4 kg (7 lbs 8 oz)

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol [1] are trademarks of Dolby Laboratories Licensing Corporation.



SERVICING NOTE FOR TC-W301 [To supply B+ voltage]

When this model alone operates, connect the unit to the regulated DC power supply, since power of this model is fed from TA-AX301.



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

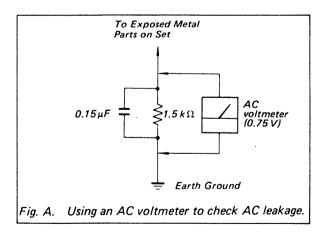
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SECTION 1 ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened

record/playback head erase head capstan pinch roller rubber betls idlers

Torque Measurement (DECKS A and B)

Torque	Torquement	Meter reading
FWD	CQ-102C	35 - 70 g·cm (0.49 - 0.97 oz·inch)
FF, REW	CQ-201B	70 - 160 g·cm (0.98 - 2.22 oz·inch)

1-2. ELECTRICAL ADJUSTMENTS

- Demagnetize the record/playback and erase head with a head demagnetizer.
- 2. Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- 4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- 6. The adjustments should be performed for both L-CH and R-CH.
- Switches and controls should be set as follows unless otherwise specified.

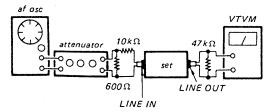
DOLBY NR switch: OFF

TAPE SELECT switch: TYPE I (NORMAL)

• Standard Record:

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

- Record Mode -



Note: Before recording short CN505 with a lead wire, otherwise MUTING functions and output signal does not appear at LINE OUT terminals.

Standard Input Level

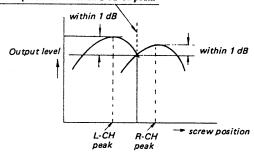
	LINE IN
source impedance	10 kΩ
input level	0.25V (-10dB)

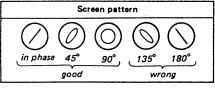
Standard Output Level

	LINE OUT
load impedance	47 kΩ
output level	0.44V (-5dB)

Record/Playback Head Azimuth Adjustment **DECK A** DECK B Procedure: 1. Mode: FWD playback test tape P-4-A100 (10 kHz, -10 dB) oscilloscope L-CH 47kΩ ุ่ 47 kO set R-CH LINE OUT

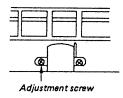
Turn the adjustment screw and check output peaks. If the peaks
do not match for L-CH and R-CH, turn the adjustment screw so
that outputs match within 1 dB of peak.





 After the adjustment, apply suitable locking compound to the adjustment screw.

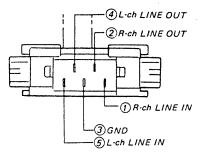
Adjustment Location:



Test Tape:

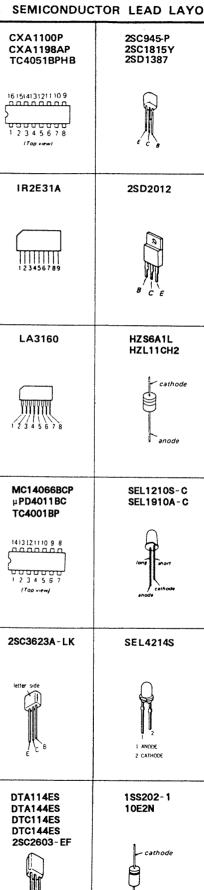
Type	Signal	Used for
P-4-A100	10kHz, -10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	Level Adjustment
WS-48A	3kHz, 0dB	Tape Speed Adjustment

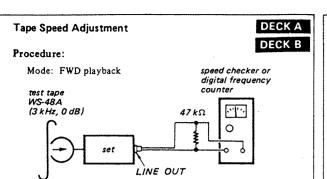
[LINE IN/OUT for TC-W301]: CN321



SECTION 2 DIAGRAMS

2-1. SEMICONDUCTOR LEAD LAYOUTS





1. Short the pins of CN504 with a wire to set the high speed mode.

Measurement limits: high speed

Speed checker	Digital frequency counter
±0.3%	6,000 ± 20 Hz

Frequency difference between the beginning and the end of the tape should be within 1.5% (90 Hz).

Adjustment Location:

DECK-A: RV501 DECK-B: RV503

2. Remove the wire in step 1. (CN504)

Measurement limits: normal speed

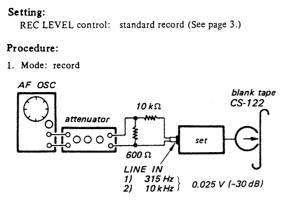
Speed checker	Digital frequency counter
±0.3%	3,000 ± 10 Hz

Frequency difference between the beginning and the end of the tape should be within 1.5% (45 Hz).

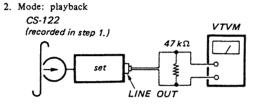
Adjustment Location:

DECK-A: RV502 DECK-B: RV504

3. If the specifications are not satisfied, repeat step 1 and 2.



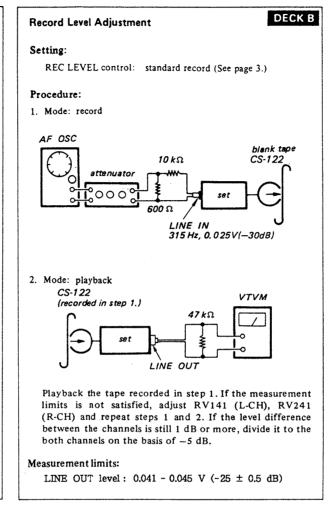
Record Bias Current Adjustment



Playback the tape record in step 1. If the measurement limits is not satisfied, adjust C408-1 (L-CH), C408-2 (R-CH) and repeat steps 1 and 2.

Measurement limits:

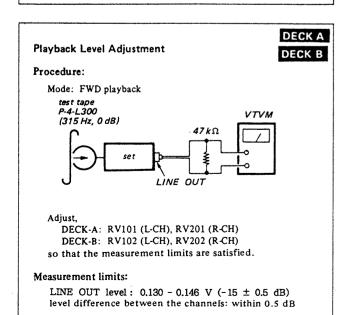
The LINE OUT level of 10 kHz signal relative to that of 315 Hz: -0.5 dB to 0.5 dB.

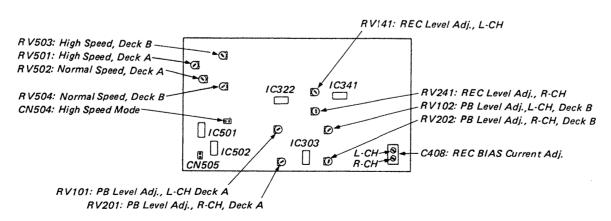


Adjustment Location:

DECK B

[AUDIO BOARD] - COMPONENT SIDE -



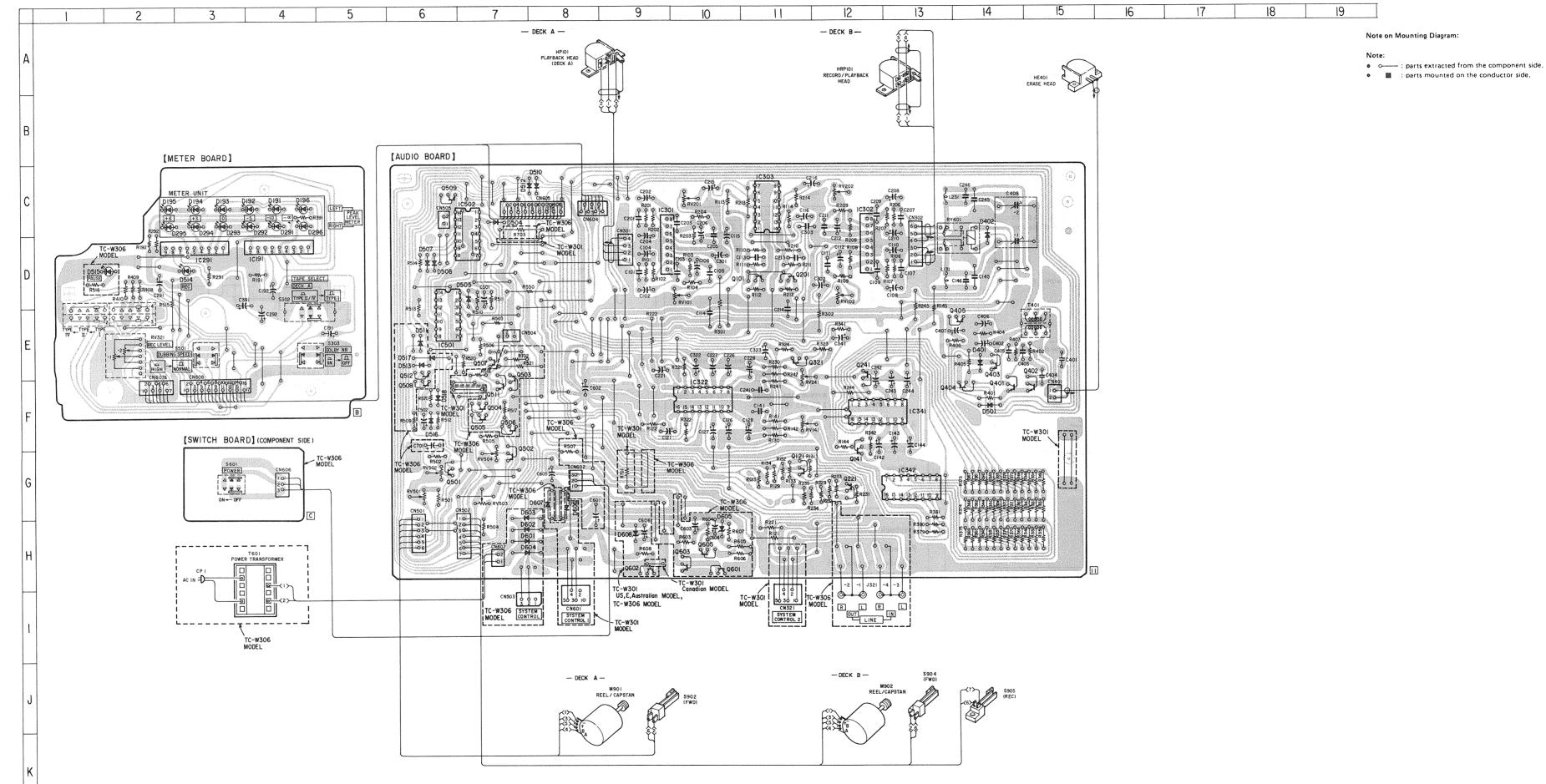


SEMICONDUCTOR LOCATION

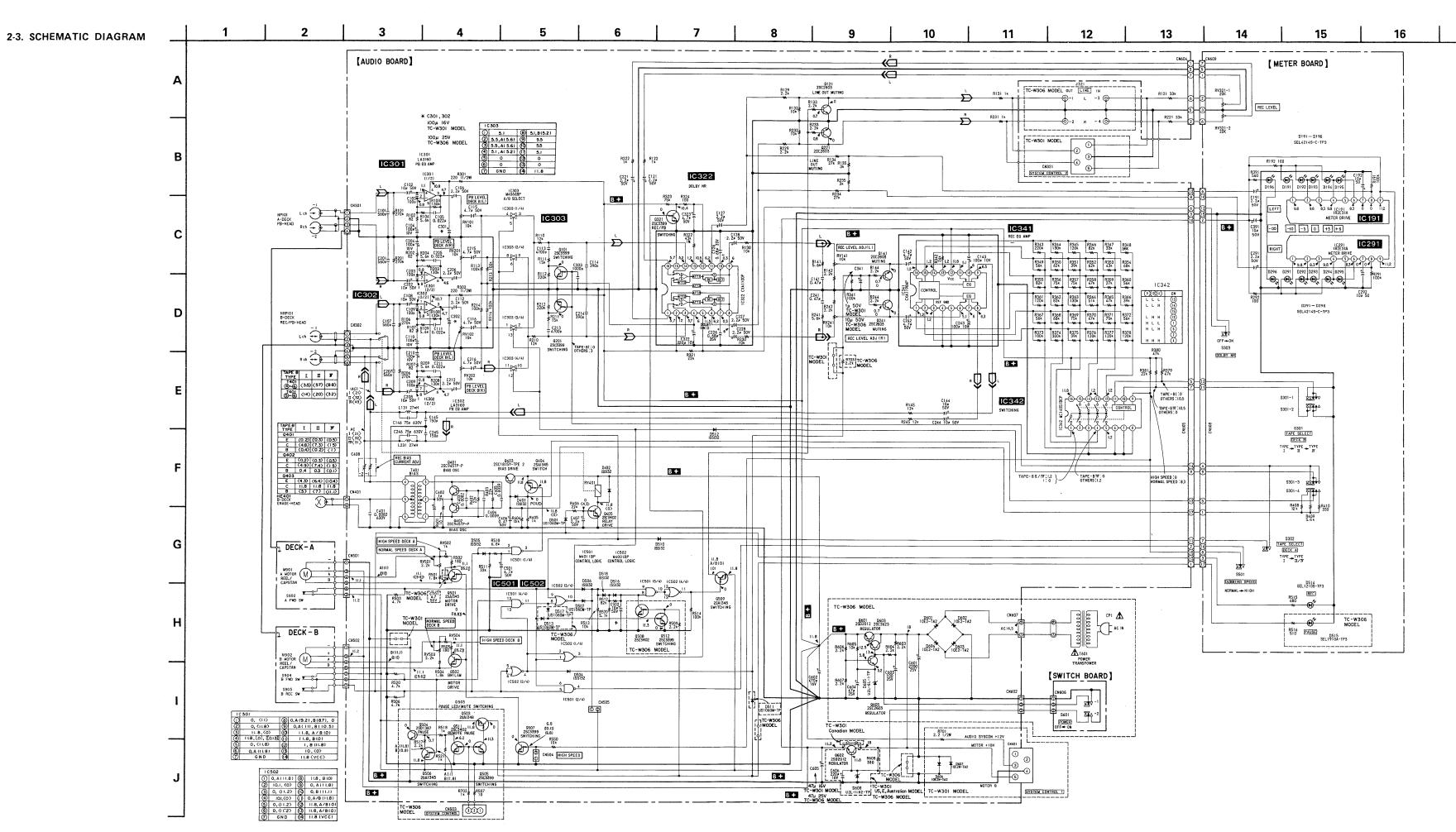
a SCIALL	CONDUC	ion co			
Ref. No.	Location	Ref. No.	Location		
D191	C-4	1C191	D-4		
D192	C-4	IC291	D-3		
D193	C-3	IC301	C-9		
D194	C-3	IC302	C-12		
D195	C-2	10303	C-11		
D196	C-4	IC322	F-10		
D291	C-4	IC341	F-13		
D292	C-4	1C342	G-13		
D293	C-3	IC501	D-6		
D294	C-3	IC502	C-7		
D295	C-2				
D296	C-4	Q101	D-11		
D401	E-14	Q121	G-11		
D402	C-14	Q141	F-12		
D501	F-14	0201	D-11		
D504	C-7	0221	G-12		
D505	D-7	Q241	E-12		
D506	D-6	Q321	E-11		
D507	D-6	Q401	E-14		
D510	C-8	0402	E-15		
. D511	E-6	0403	E-14		
D512	C-7	Q404	E-14		
D513	E-6	Q405	E-14		
D514	D-3	Q501	G-6		
D515	D-2	Q502	F-7		
D516	F-6	Q503	E-7		
D517	E-6	Q504	F-7		
D518	F-6	Q505	F-7		
D601	H-7	Q506	F-7		
D602	G-7	Q507	E-7		
D603	G-7	Q508	E-6		
D604	H-7	Q509	C-6		
D605	G-10	Q511	E-7		
D606	G-8	Q512	E-6		
D607	G-8	0601	H-10		
D608	H-9	Q602	H-9		
		Q603	H-10		
		Q605	H-10		

2-2. PRINTED WIRING BOARDS

See page 5 for semiconductor lead layouts.



-7-



-9-

Note on Schematic Diagram:

17

- All capacitors are in μF unless otherwise noted, pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark: STOP
- A (): PB (DECK A)
- B (): PB (DECK B) < >: REC (DECK B)
-) : DUBBING (NORMAL)
- [[]] : DUBBING (HIGH)
- Voltages are taken with a VOM (Input impedance $10M\Omega$). Voltage variations may be noted due to normal produc-
- tion tolerances.
- Signal path.
- D : PB (DECK A)
- D : PB (DECK B)
- > : REC (DECK B)

The components identified by mark A or dotted line with mark are critical for safety. Note: Note:

Replace only with part pièce portant le numéro spécinumber specified.

SECTION 3 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be dif-ferent from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example: (RED) ... KNOB, BALANCE (WHITE)

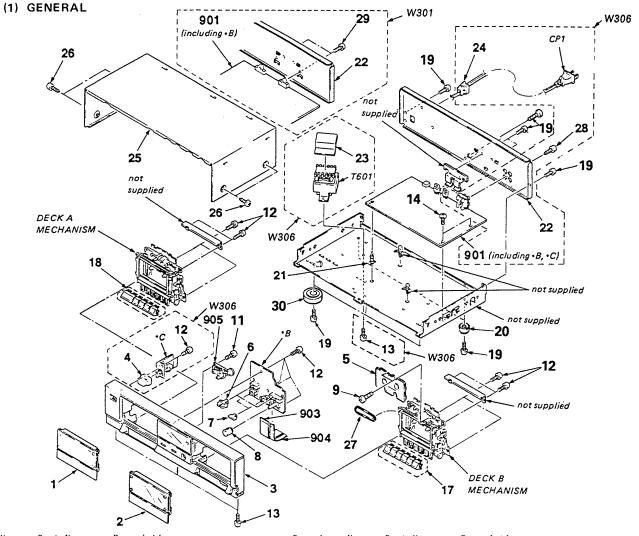
Cabinet's Color AUS: Australian model Parts' Color

The components identified by mark \(\hat{\Lambda} \) or dotted line with mark \(\hat{\Lambda} \) are critical for safety.

Replace only with part number specified.

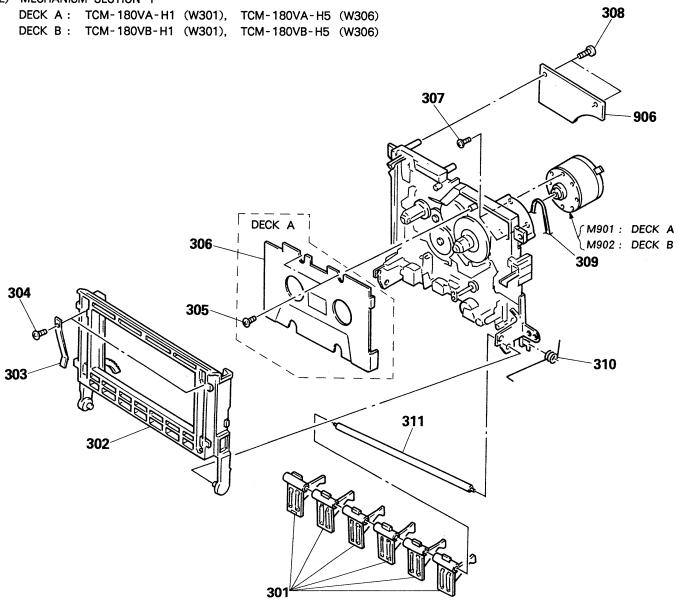
Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifé.



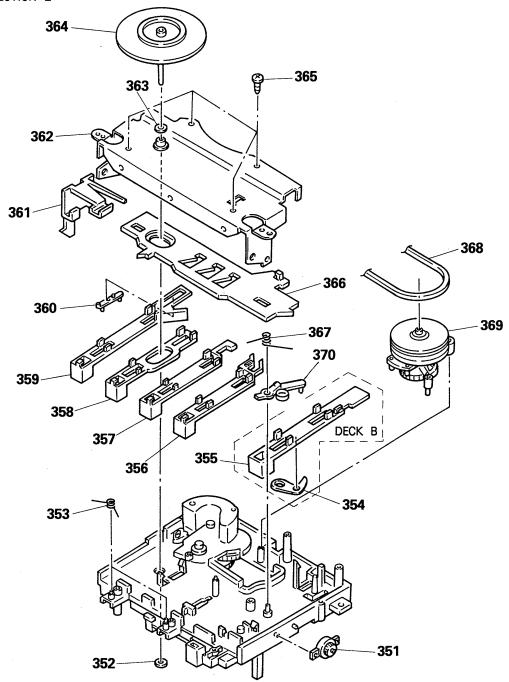
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1 2	X-3340-190-1 X-3340-189-1	LID (A) ASSY, CASSETTE LID (B) ASSY, CASSETTE		22	*3-349-023-21 *3-349-023-31	(W301)PANEL, BACK (W306)PANEL, BACK	
3	X-3340-191-1 X-3346-302-1	(W301)PANEL ASSY, FRONT (W306)PANEL ASSY, FRONT		23 24 25	*3-327-855-01 *3-703-571-11 3-327-856-61	(W306)COVER (TRANSFORMER) (W306)BUSHING (S) (4516), C CASE	ORD
4 5 6 7 8	3-354-912-01 X-3358-214-1 3-346-379-01 3-346-381-01 3-349-039-01	(W306)KNOB, POWER PLATE ASSY, ORNAMENTAL KNOB (SLIDE) BUTTON KNOB (VOL)		26 27 28 29	3-704-366-01 3-499-042-XX 7-621-849-00 7-685-646-79	SCREW (CASE) (M3X8) BELT, COUNTER (W306)SCREW, TAPPING (W301)SCREW, +BVTP 3X8 TYP	ve 2
9 11 12	7-685-133-19 4-928-635-01 4-928-635-21	SCREW +BTP 2.6X6 TYPE2 N-S SCREW, +BV (2.6X8) TAPPING SCREW, +BV (2.6X10) TAPPING		30	X-3340-138-1 X-3340-173-1	(W301:US,Canadian,W306)F00T	ASSY
13 14	7-682-548-04 4-886-821-11 7-682-548-09	(W306)SCREW +BVTT 3X8 (S) (W301)SCREW, S TIGHT, +PTTWH (W306)SCREW, +BVTP 3X8 (S)	3X6	901	*A-2006-071-A *A-2006-072-A *A-2006-138-A	(W301:US,E,AUS)MOUNTED PCB, (W306)MOUNTED PCB, (W301:Canadian)MOUNTED PCB,	AUDIO
17 18 19 20 21	3-349-043-11 3-349-042-11 7-682-548-09 X-4904-496-1 *3-346-265-11	BUTTON (BLOCK B) BUTTON (BLOCK A) SCREW +BVTT 3X8 (S) FOOT ASSY HOLDER, PC BOARD	. 1		1-574-724-11 1-574-723-11 1-548-596-61 A.1-558-945-11 A.1-449-256-11	WIRE, FLAT TYPE (17 CORE) WIRE, FLAT TYPE (7 CORE) COUNTER, TAPE (MIDDLE TYPE) (W306)CORD, POWER (POLAR.SF (W306)TRANSFORMER, POWER	'T-1)
			,				

(2) MECHANISM SECTION-1



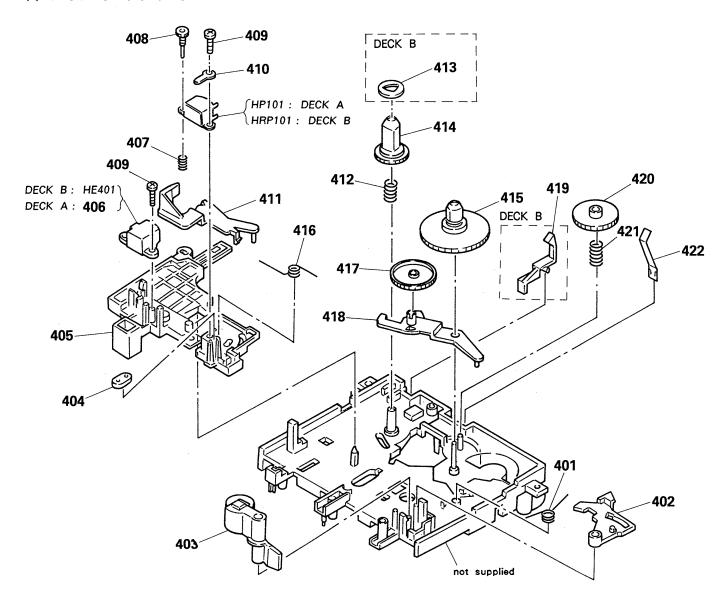
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301 302 303 304	3-358-266-01 3-358-209-01	,		308 309 310 311	3-358-272-01 3-358-287-01	SCREW +BTP 2.6X6 TYPE2 N-S BELT (A2) SPRING (LOADING A), TORSION SHAFT (BUTTON SHAFT)	
305 306 307	7-685-132-19 X-3358-214-1 7-621-775-20	(DECK A)PLATE ASSY, ORNAMENTA		906 M901 M902		PC BOARD, SW MOTOR (B) ASSY MOTOR (B) ASSY	

(3) MECHANISM SECTION-2



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
351	3-319-224-31	DAMPER, SMALL		362	*X-3358-213-1	BRACKET (A) ASSY	
352	7-623-921-01	WASHER 1.7. NYLONE		363	3-701-437-01	WASHER	
353	3-358-232-01	SPRING (S-P F-R), TORSION		364	X-3358-205-1	FLYWHEEL (A) ASSY	
354	*3-358-204-01	(DECK B)LEVER (REC SAFETY)		365	7-685-133-19	SCREW +P 2.6X6 TYPE1	
355	3-358-259-01			366	*3-358-249-01	SLIDER (LOCK PLATE)	
356	3-358-258-01	SLIDER (REW)		367	3-358-214-01	(DECK A)SPRING (LOCK), TORSI	ON
357	3-358-257-01	SLIDER (FF)			3-358-233-01	(DECK B)SPRING (REC-LOCK), T	ORSION
358	3-358-256-01	SLIDER (STÓP/EJECT)				•	
359	3-358-260-01			368	3-358-230-01	BELT (A1)	
360		LEVER (PAUSE LEVER)		369	X-3358-202-1	LEVER (FR ARM) ASSY	
361	*3-358-261-01	· · · · · · · · · · · · · · · · · · ·		370		LEVER (MOTOR LEVER)	

(4) MECHANISM SECTION-3



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
401	3-358-243-01	SPRING (TU-SHUT), TORSION	1	414	3-358-248-01	GEAR (SUPPLY REEL)	
402	*3-358-253-01	LEVER (SHUT-OFF LEVER)		415	X-3358-203-1	TABLE (T) ASSY, REEL	
403	X-3358-204-1	LEVER (PINCH LEVER) ASSY		416	3-358-228-01	SPRING, TORSION	
404	*3-358-215-01	BUSHINĠ (WIRE KIT ŔETAINER)		417	*3-358-284-01	GEAR (TU GEAR)	
405	3-358-265-01	SLIDER (HEAD PC BOARD A)		418	*3-358-252-01	LEVER (TU ARM)	
406	3-358-285-01	(DECK A)GUIDE. TAPE		419	*3-358-255-01	(DECK B)LEVER (GB LEVER)	
407	3-358-234-01	SPRING (AZIMUTH), COMPRESSION		420	*3-358-224-01	GEAR (FF GEAR)	
408	3-358-213-01	SCREW, ÀZIMUTH		421	3-358-207-01	SPRINĠ (FF GEÁR), COMPRESSION	
409	7-685-105-19	TPG +P 2X8, TYPE 2, NON-SLIT		422	3-358-227-01	SPRING, LEAF	
410	7-623-505-01	LUG. 2	}	HE401	1-543-673-11	HEAD, MAGNETIC (ERASE)	
411	*3-358-251-01	LEVER (TENSION DETECTION ARM)		HP101	1-543-672-11	HEAD, MAGNETIC (REC/PB)	
412	3-358-208-01	SPRING (SUPPLY), COMPRESSION			1-543-672-11	HEAD, MAGNETIC (REC/PB)	
413	*3-358-270-01	(DECK B)PULLEY (COUNTER PULLE	Y)			, , ,	

SECTION 4 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms.
 - F: nonflammable

COILS

• MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: μ , for example: UA...: μ A..., UPA...: μ PA..., UPC...: μ PD...

The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

· AUS: Australian model

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
901	*A-2006-071-A *A-2006-072-A *A-2006-138-A	(W301:US,E,A (W306) (W301:Canadi	MOUNTE	D PCB,	AUDIO	C212 C213 C214	1-126-161-11 1-161-377-00 1-162-289-31	ELECT CERAMIC CERAMIC	2.2MF 0.0047MF 390PF	20% 20% 10%	50V 16V 50V
903 904 905 906	1-574-724-11 1-574-723-11 1-548-596-61 *1-635-158-11	WIRE, FLAT T WIRE, FLAT T COUNTER, TAP PC BOARD, SW	YPE (7 CORE) E (MIDDLE TY			C215 C216 C221	1-124-045-00 1-124-045-00 1-126-161-11	ELECT ELECT ELECT	4.7MF 4.7MF 2.2MF	20% 20% 20%	50V 50V 50V
C101 C102 C103	1-162-291-31 1-126-059-11 1-162-282-31	CERAMIC ELECT CERAMIC	560PF 10MF 100PF	10% 20% 10%	50V 50V 50V	C226 C227 C228	1-131-587-11 1-124-257-00 1-126-161-11	TANTALUM ELECT ELECT	0.68MF 2.2MF 2.2MF	10% 20% 20%	35 V 50 V 50 V
C104 C105 C106	1-124-994-11 1-136-157-00 1-126-161-11	ELECT FILM ELECT	100MF 0.022MF 2.2MF	20% 5% 20%	10V 50V 50V	C241 C242 C243	1-136-173-00 1-124-045-00 1-124-994-11	FILM ELECT ELECT	0.47MF 4.7MF 100MF	5% 20% 20%	50V 50V 10V
C107 C108 C109	1-162-291-31 1-126-059-11 1-162-282-31	CERAMIC ELECT CERAMIC	560PF 10MF 100PF	10% 20% 10%	50V 50V 50V	C244 C245 C246	1-126-059-11 1-162-284-31 1-136-273-91	ELECT CERAMIC FILM	1 OMF 150PF 75PF	20% 10% 5%	50V 50V 630V
C110 C111	1-124-994-11 1-136-157-00	ELECT FILM	100MF 0.022MF	20% 5%	10V 50V	C291 C292	1-126-161-11 1-126-059-11	ELECT	2.2MF 10MF	20% 20%	50V 50V
C112	1-126-161-11	ELECT CERAMIC	2.2MF 0.0047MF	20% 20%	50V 16V	C301 C301	1-124-478-11 1-126-023-11	(W306)ELE (W301)ELE	CT 100MF	20% 20%	25 V 16 V
C114 C115	1-162-289-31 1-124-045-00	CERAMIC ELECT	390PF 4.7MF	10% 20%	50V 50V	C302 C302	1-124-478-11 1-126-023-11	(W306)ELE (W301)ELE	CT 100MF	20% 20%	25V 16V
C116 C121 C126	1-124-045-00 1-126-161-11 1-131-587-11	ELECT ELECT TANTALUM	4.7MF 2.2MF 0.68MF	20% 20% 10%	50V 50V 35V	C303 C322 C323	1-162-294-31 1-126-101-11 1-124-045-00	CERAMIC ELECT ELECT	0.001MF 220MF 4.7MF	10% 20% 20%	50V 10V 50V
C127 C128 C141	1-124-257-00 1-126-161-11 1-136-173-00	ELECT ELECT FILM	2.2MF 2.2MF 0.47MF	20% 20% 5%	50V 50V 50V	C341 C341	1-126-059-11	(W306)ELE (W301)ELE	CT 1MF	20% 20%	50V 50V
C142 C143 C144	1-124-045-00 1-124-994-11 1-126-059-11	ELECT ELECT ELECT	4.7MF 100MF 10MF	20% 20% 20%	50V 10V 50V	C391 C401 C402	1-126-059-11 1-136-562-11 1-126-301-11	ELECT FILM ELECT	10MF 0.0082MF 1MF	20% 5% 20%	50V 630V 50V
C145 C146 C191	1-162-284-31 1-136-273-91 1-126-161-11	CERAMIC FILM ELECT	150PF 75PF 2.2MF	10% 5% 20%	50V 630V 50V	C403 C404 C405	1-130-482-00 1-130-478-00 1-130-478-00	MYLAR MYLAR MYLAR	0.0082MF 0.0039MF 0.0039MF	5% 5% 5%	50V 50V 50V
C192 C201 C202	1-126-059-11 1-162-291-31 1-126-059-11	ELECT CERAMIC ELECT	1 OMF 560PF 1 OMF	20% 10% 20%	50V 50V 50V	C406 C407 C408	1-126-300-11 1-126-161-11 1-141-225-00	ELECT ELECT CAP, TUNING,	0.47MF 2.2MF TRIMAR	20% 20%	50V 50V
C203 C204 C205	1-162-282-31 1-124-994-11 1-136-157-00	CERAMIC ELECT	100PF 100MF 0.022MF	10% 20% 5%	50V 10V 50V	C501 C502 C601	1-124-045-00 1-126-059-11 1-124-962-11	ELECT (W306)ELE	4.7MF 10MF CT 2200MF	20% 20% 20%	50V 50V 25V
C206 C207 C208	1-126-161-11 1-162-291-31 1-126-059-11	ELECT CERAMIC ELECT	2.2MF 560PF 10MF	20% 10%	50V 50V	C602 C603 C604	1-126-012-11 1-124-478-11 1-124-910-11	ELECT (W306)ELE (W306)ELE		20% 20% 20%	16V 25V 25V
C209 C210	1-162-282-31	CERAMIC ELECT	100PF 100MF	20% 10% 20%	50V 50V 10V	C605 C605	1-124-910-11 1-126-022-11	(W306)ELE (W301)ELE		20% 20%	25V 16V
C211		FILM	0.022MF	5%	50V	C606 C701	1-126-024-11 1-124-045-00	ELECT (W306)ELE	220MF CT 4.7MF	20% 20%	16V 50V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description		
CN302 *	*1-564-507-11 *1-564-509-11 *1-566-856-11	PLUG, CONNECTOR 4P PLUG, CONNECTOR 6P (W301)SOCKET, CONNECTOR 5P (SYSTEM CONTROL 2)	IC291	8-759-917-42 8-759-917-42 8-759-800-36	IC IR2E31A		
	*1-564-505-11 *1-566-210-11	PLUG, CONNECTOR 2P (W306)PIN, CONNECTOR 3P	1C303	8-759-800-36 8-759-000-49 8-752-031-67	IC MC14066BCP		
CN504 *	*1-564-505-11	(SYSTEM CONTROL) PLUG, CONNECTOR 2P	IC341	8-752-038-02	IC CXAll98AP		
	*1-564-505-11 *1-566-856-11	PLUG, CONNECTOR 2P (W301)SOCKET, CONNECTOR 5P (SYSTEM CONTROL 1)	10501	8-759-208-06 8-759-140-11 8-759-240-01	IC UPD4011BC		
CN602 *	1-564-337-00	(W306)PIN, CONNECTOR 3P	J321	1-565-258-11	(W306)JACK	, PIN 4P (LINE IN/OUT)
CN605	1-568-439-11 1-568-440-11 1-568-438-11	SOCKET, CONNECTOR 7P SOCKET, CONNECTOR 17P SOCKET, CONNECTOR 17P	L131 L231	1-410-780-11 1-410-780-11	INDUCTOR INDUCTOR	27MMH 27MMH	
CN901 *	1-568-437-11	SOCKET, CONNECTOR 7P PIN, CONNECTOR 6P	M901 M902	X-3358-212-1 X-3358-212-1			
	1-564-500-11	PIN, CONNECTOR 7P (W306)CORD, POWER (POLAR.SPT-1)	Q101 Q121 Q141	8-729-900-89 8-729-620-05 8-729-620-05	TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	C2603-EF	
D192	8-719-304-32 8-719-304-32 8-719-304-32		Q201 Q221 Q241	8-729-900-89 8-729-620-05 8-729-620-05	TRANSISTOR DTO TRANSISTOR 2SO TRANSISTOR 2SO	C2603 <i>-</i> EF	
D195	8-719-304-32 8-719-304-32 8-719-304-32		Q321 Q401 Q402	8-729-194-57	TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	C945-P	
D292	8-719-304-32 8-719-304-32 8-719-304-32	DIODE SEL4214S DIODE SEL4214S DIODE SEL4214S	Q403 Q404 Q405	8-729-281-52 8-729-900-65 8-729-900-80	TRANSISTOR 250 TRANSISTOR DTO TRANSISTOR DTO	A144ES	
D295	8-719-304-32	DIODE SEL4214S DIODE SEL4214S DIODE SEL4214S	Q501 Q502 Q503	8-729-900-65 8-729-900-65 8-729-900-61	TRANSISTOR DTA TRANSISTOR DTA (W306)TRANS	A144ES	114ES
D402	8-719-107-94 8-719-107-94 8-719-107-94	DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1	Q504 Q505 Q506	8-729-801-93 8-729-900-89 8-729-900-65	(W306)TRAN: (W306)TRAN: (W306)TRAN:	SISTOR DTC	144ES
D505	8-719-107-94 8-719-107-94 8-719-107-94	DIODE 1SS202-1 DIODE 1SS202-1 DIODE 1SS202-1	Q507 Q508 Q509	8-729-900-89 8-729-900-80 8-729-900-65	TRANSISTOR DTO (W306)TRANS	SISTOR DTC	114ES
D510	8-719-107-94 8-719-107-94 8-719-107-94	DIODE 1SS202-1 DIODE 1SS202-1 (W306)DIODE 1SS202-1	Q511 Q512 Q601	8-729-900-80 8-729-900-89 8-729-209-15	(W306)TRANS (W306)TRANS (W306)TRANS	SISTOR DTC	144ES
D513	8-719-107-94 8-719-107-94 8-719-302-46	DIODE 1SS202-1 (W306)DIODE 1SS202-1 DIODE SEL1210S-C	Q602 Q603 Q605	8-729-209-15 8-729-141-30 8-729-620-05	(W301:US,E,US (W306)TRANS (W306)TRANS	SISTOR 2SC	
D516 8	8-719-302-79 8-719-107-94 8-719-107-94	(W306)DIODE SEL1910A-C DIODE 1SS202-1 DIODE 1SS202-1	R101 R102 R103	1-247-889-00 1-249-404-00 1-247-882-11	CARBON CARBON CARBON	270K 5% 82 5% 130K 5%	1/4W 1/4W 1/4W
D601 8	8-719-107-94 8-719-200-77 8-719-200-77	DIODE 1SS202-1 (W306)DIODE 10E2N (W306)DIODE 10E2N	R104 R106 R107	1-249-426-11 1-247-889-00 1-249-404-00	CARBON CARBON CARBON	5.6K 5% 270K 5% 82 5%	1/4W 1/4W 1/4W
D604 8	8-719-200-77 8-719-200-77 8-719-933-33	(W306)DIODE 10E2N (W306)DIODE 10E2N (W306)DIODE HZS6A1L	R108 R109 R110	1-247-882-11 1-249-426-11 1-249-430-11	CARBON CARBON CARBON	130K 5% 5.6K 5% 12K 5%	1/4W 1/4W 1/4W
D607 8	8-719-200-77 8-719-200-77 8-719-001-54	(W301)DIODE 10E2N (W301)DIODE 10E2N (W301:US,E,AUS,W306)DIODE UZL-11H2	R111 R112 R113	1-249-431-11 1-247-887-00 1-249-441-11	CARBON CARBON CARBON	15K 5% 220K 5% 100K 5%	1/4W 1/4W 1/4W
HE401	1-543-673-11	HEAD, MAGNETIC (ERASE)	R114	1-249-441-11	CARBON	100K 5%	1/4W
HP101 1	1-543-672-11	HEAD, MAGNETIC (REC/PB)	R121 R122	1-249-435-11 1-249-417-11	CARBON CARBON	33K 5% 1K 5%	1/4W 1/4W
HRP101 1	1-543-672-11	HEAD, MAGNETIC (REC/PB) 17	1 1 8	Note: The components fied by mark ted line with ma are critical for saf Replace only with number specified.	or dot- une merk \(\hat{\Lambda} \) pour la tety. Ne les th part pièce p	narque <u>/</u> t\ so a sécurité. remplacer	dentifiés par ont critiques que par une uméro spéci-

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
R129	1-249-421-11	CARBON	2.2K	5%	1/4W	R351	1-249-436-11	CARBON	39K	5%	1/4W
R130	1-249-429-11	CARBON	10K	5%	1/4W	R352	1-247-874-11	CARBON	62K	5%	1/4W
R131	1-249-417-11	CARBON	1K	5%	1/4W	R353	1-247-870-11	CARBON	43K	5%	1/4W
R132	1-249-429-11	CARBON	10K	5%	1/4W	R354	1-249-439-11	CARBON	68K	5%	1/4W
R133	1-249-421-11	CARBON	2.2K	5%	1/4W	R355	1-249-440-11	CARBON	82K	5%	1/4W
R134	1-249-434-11	CARBON	27K	5%	1/4W	R356	1-247-876-11	CARBON	75K	5%	1/4W
R135	1-247-842-11	CARBON	3K	5%	1/4W	R357	1-247-876-11	CARBON	75K	5%	1/4W
R141	1-249-426-11	CARBON	5.6K	5%	1/4W	R358	1-249-437-11	CARBON	47K	5%	1/4W
R142	1-249-421-11	CARBON	2.2K	5%	1/4W	R359	1-249-434-11	CARBON	27K	5%	1/4W
R144	1-249-421-11	CARBON	2.2K	5%	1/4W	R360	1-249-438-11	CARBON	56K	5%	1/4W
R145	1-249-430-11	CARBON	12K	5%	1/4W	R361	1-247-881-00	CARBON	120K	5%	1/4W
R191	1-249-441-11	CARBON	100K	5%	1/4W	R362	1-249-440-11	CARBON	82K	5%	1/4W
R192	1-249-405-11	CARBON	100	5%	1/4W	R363	1-247-882-11	CARBON	130K	5%	1/4W
R201	1-247-889-00	CARBON	270K	5%	1/4W	R364	1-247-872-11	CARBON	51K	5%	1/4W
R202	1-249-404-00	CARBON	82	5%	1/4W	R365	1-249-437-11	CARBON	47K	5%	1/4W
R203	1-247-882-11	CARBON	130K	5%	1/4W	R366	1-249-436-11	CARBON	39K	5%	1/4W
R204	1-249-426-11	CARBON	5.6K	5%	1/4W	R367	1-249-438-11	CARBON	56K	5%	1/4W
R206	1-247-889-00	CARBON	270K	5%	1/4W	R368	1-249-439-11	CARBON	68K	5%	1/4W
R207	1-249-404-00	CARBON	82	5%	1/4W	R369	1-247-876-11	CARBON	75K	5%	1/4W
R208	1-247-882-11	CARBON	130K	5%	1/4W	R370	1-249-437-11	CARBON	47K	5%	1/4W
R209	1-249-426-11	CARBON	5.6K	5%	1/4W	R371	1-247-876-11	CARBON	75K	5%	1/4W
R210	1-249-430-11	CARBON	12K	5%	1/4W	R372	1-249-438-11	CARBON	56K	5%	1/4W
R211	1-249-431-11	CARBON	15K	5%	1/4W	R373	1-249-441-11	CARBON	100K	5%	1/4W
R212	1-247-887-00	CARBON	220K	5%	1/4W	R374	1-247-890-11	CARBON	300K	5%	1/4W
R213	1-249-441-11	CARBON	100K	5%	1/4W	R375	1-249-436-11	CARBON	39K	5%	1/4W
R214	1-249-441-11	CARBON	100K	5%	1/4W	R376	1-247-881-00	CARBON	120K	5%	1/4W
R221	1-249-435-11	CARBON	33K	5%	1/4W	R377	1-247-881-00	CARBON	120K	5%	1/4W
R222	1-249-417-11	CARBON	1K	5%	1/4W	R378	1-247-881-00	CARBON	120K	5%	1/4W
R229	1-249-421-11	CARBON	2.2K	5%	1/4W	R379	1-249-437-11	CARBON	47K	5%	1/4W
R230	1-249-429-11	CARBON	10K	5%	1/4W	R380	1-249-437-11	CARBON	47K	5%	1/4W
R231	1-249-417-11	CARBON	1K	5%	1/4W	R381	1-249-433-11	CARBON	22K	5%	1/4W
R232	1-249-429-11	CARBON	10K	5%	1/4W	R391	1-249-414-11	CARBON	560	5%	1/4W
R233	1-249-421-11	CARBON	2.2K	5%	1/4W	R401	1-249-393-11	CARBON	10	5%	1/4W
R234	1-249-434-11	CARBON	27K	5%	1/4W	R402	1-249-433-11	CARBON	22K	5%	1/4W
R235	1-247-842-11	CARBON	3K	5%	1/4W	R403	1-249-433-11	CARBON	22K	5%	1/4W
R241	1-249-426-11	CARBON	5.6K	5%	1/4W	R404	1-247-858-11	CARBON	13K	5%	1/4W
R242	1-249-421-11	CARBON	2.2K	5%	1/4W	R405	1-249-417-11	CARBON	1 K	5%	1/4W
R244	1-249-421-11	CARBON	2.2K	5%	1/4W	R406	1-249-433-11	CARBON	22 K	5%	1/4W
R245	1-249-430-11	CARBON	12K	5%	1/4W	R408	1-249-430-11	CARBON	12 K	5%	1/4W
R291	1-249-441-11	CARBON	100K	5%	1/4W	R409	1-249-426-11	CARBON	5.6K	5%	1/4W
R292	1-249-405-11	CARBON	100	5%	1/4W	R410	1-249-411-11	CARBON	330		1/4W
R301	1-247-743-11	CARBON	220	5%	1/2W	R501	1-249-420-11	CARBON	1.8K		1/4W
R302	1-247-743-11	CARBON	220	5%	1/2W	R502	1-249-408-11	CARBON	180	5%	1/4W
R321	1-249-433-11	CARBON	22K	5%	1/4W	R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R322	1-215-460-00	METAL	43K	1%	1/6W	R504	1-249-420-11	CARBON	1.8K	5%	1/4W
R323	1-247-876-11	CARBON	75K	5%	1/4W	R505	1-249-408-11	CARBON	180	5%	1/4W
R324	1-249-405-11	CARBON	100	5%	1/4W	R506	1-249-425-11	CARBON	4.7K	5%	1/4W
R341	1-249-441-11	CARBON	100K	5%	1/4W	R507	1-249-393-11	(W306)CARB	ON	10	5% 1/4W
R342	1-247-864-11	CARBON	24K	5%	1/4W	R509	1-249-421-11	(W306)CARB	ON	2.2K	5% 1/4W
R343	1-247-887-00	CARBON	220K	5%	1/4W	R510	1-249-427-11	CARBON	6.8K	5%	1/4W
R344	1-247-882-11	CARBON	130K	5%	1/4W	R511	1-249-435-11	CARBON	33K	5%	1/4W
R345	1-247-881-00	CARBON	120K	5%	1/4W	R512	1-249-440-11	CARBON	82K	5%	1/4W
R346	1-249-440-11	CARBON	82K	5%	1/4W	R513	1-249-429-11	CARBON	10K	5%	1/4W
R347	1-249-435-11	CARBON	33K	5%	1/4W	R514	1-249-441-11	CARBON	100K	5%	1/4W
R348	1-249-438-11	CARBON	56K	5%	1/4W	R515	1-249-415-11	CARBON	680	5%	1/4W
R349	1-249-438-11	CARBON	56K	5%	1/4W	R516	1-249-442-11	(W306)CARB	On	510	5% 1/4W
R350	1-247-874-11	CARBON	62K	5%	1/4W	R517	1-249-421-11	(W306)CARB	On	2.2K	5% 1/4W

Re	ef.No.	Part No.	Description
	R518 R520 R521	1-249-417-11 1-249-425-11 1-249-417-11	(W306)CARBON 1K 5% 1/4W CARBON 4.7K 5% 1/4W (W306)CARBON 1K 5% 1/4W
	R550 R570 R603	1-249-429-11 1-247-848-11 1-249-421-11	CARBON 10K 5% 1/4W (W306)CARBON 5.1K 5% 1/4W (W306)CARBON 2.2K 5% 1/4W
	R604 R605 R606	1-249-421-11 1-249-429-11 1-249-421-11	(W306)CARBON 2.2K 5% 1/4W (W306)CARBON 10K 5% 1/4W (W306)CARBON 2.2K 5% 1/4W
	R607 R608	1-249-421-11 1-249-411-11	(W306)CARBON 2.2K 5% 1/4W (W301:US,E,AUS,W306)CARBON 330 5% 1/4W
	R701 <u>A</u> R702 R703	.1-212-942-00 1-249-417-11 1-249-421-11	(W301)FUSIBLE 2.2 5% 1/2W F (W306)CARBON 1K 5% 1/4W (W306)CARBON 2.2K 5% 1/4W
	RV101 RV102 RV141	1-228-994-00 1-228-994-00 1-228-994-00	RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K
	RV201 RV202 RV241	1-228-994-00 1-228-994-00 1-228-994-00	RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K
	RV321 RV501 RV502	1-238-262-11 1-228-991-00 1-228-990-00	RES, VAR, CARBON 20K/20K (REC LEVEL) RES, ADJ, CARBON 2.2K RES, ADJ, CARBON 1K
	RV503 RV504	1-228-991-00 1-228-990-00	RES, ADJ, CARBON 2.2K RES, ADJ, CARBON 1K
	RY401	1-515-614-11	RELAY
	\$301 \$302 \$303	1-571-628-11 1-571-627-21 1-571-510-11	SWITCH, SLIDE (DECK B TAPE SELECT) SWITCH, SLIDE (DECK A TAPE SELECT) SWITCH, PUSH (1 KEY)(DOLBY NR)
	S501 S601	1-571-510-11 1-570-393-21	SWITCH, PUSH (1 KEY)(DUBBING SPEED) (W306)SWITCH, PUSH (1 KEY)(POWER)
	S902 S904 S905	1-571-736-11 1-571-736-11 1-571-736-11	SWITCH, LEAF (A FWD) SWITCH, LEAF (B FWD) SWITCH, LEAF (B REC)
	T401 T601 ⚠.	1-433-303-11 .1-449-256-11	TRANSFORMER, BIAS OSCILLATION (W306)TRANSFORMER, POWER
	AC	CCESSORY & PAC	KING MATERIAL
	1.	-EEOCAO11 /	UDOS) CORD (UTTU CONNECTOR) DD

1-558-649-11 1-559-533-11 3-703-450-01 (W306)...CORD (WITH CONNECTOR) 3P (W306)...CORD, CONNECTION (W306)...INSTRUCTION

*3-704-343-01 3-751-753-21 SHEET (STANDARD), PROTECTION (W306)...MANUAL, INSTRUCTION

The components identified by mark \(\frac{1}{1} \) or dotted line with mark \(\frac{1}{1} \) are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une

pièce portant le numéro spéci-fié.